Kazuhiko Imakawa

List of Publications by Year
in descending order

119 papers	3,124 citations	159585 30 h-index	197818 49 g-index
123 all docs	123 docs citations	123 times ranked	2051 citing authors

#	Article	IF	Citations
1	Interferon-like sequence of ovine trophoblast protein secreted by embryonic trophectoderm. Nature, 1987, 330, 377-379.	27.8	451
2	Molecular Cloning and Characterization of Complementary Deoxyribonucleic Acids Corresponding to Bovine Trophoblast Protein-1: A Comparison with Ovine Trophoblast Protein-1 and Bovine Interferon-Î±_{II}. Molecular Endocrinology, 1989, 3, 127-139.	3.7	167
3	Regulation of Blastocyst Migration, Apposition, and Initial Adhesion by a Chemokine, Interferon Î³-inducible Protein 10 kDa (IP-10), during Early Gestation. Journal of Biological Chemistry, 2003, 278, 29048-29056.	3.4	84
4	Induction of IFNT-Stimulated Genes by Conceptus-Derived Exosomes during the Attachment Period. PLoS ONE, 2016, 11, e0158278.	2.5	77
5	Intrauterine exosomes are required for bovine conceptus implantation. Biochemical and Biophysical Research Communications, 2018, 495, 1370-1375.	2.1	75
6	A Chemokine, Interferon (IFN)-Î³-Inducible Protein 10 kDa, Is Stimulated by IFN-Ï„ and Recruits Immune Cells in the Ovine Endometrium1. Biology of Reproduction, 2003, 68, 1413-1421.	2.7	63
7	Expression of mesenchymal-related genes by the bovine trophectoderm following conceptus attachment to the endometrial epithelium. Reproduction, 2012, 143, 377-387.	2.6	62
8	Baton pass hypothesis: successive incorporation of unconserved endogenous retroviral genes for placentation during mammalian evolution. Genes To Cells, 2015, 20, 771-788.	1.2	61
9	The Production, Purification, and Bioactivity of Recombinant Bovine Trophoblast Protein-1 (Bovine) Tj ETQq1 1 0.784314 rgBT /Overlo	3.7	60
10	Differential Expression of Distinct mRNAs for Ovine Trophoblast Protein-1 and Related Sheep Type I Interferons1. Biology of Reproduction, 1993, 48, 768-778.	2.7	58
11	Induction of immune-related gene expression by seminal exosomes in the porcine endometrium. Biochemical and Biophysical Research Communications, 2018, 495, 1094-1101.	2.1	56
12	Regulation of conceptus adhesion by endometrial CXC chemokines during the implantation period in sheep. Molecular Reproduction and Development, 2006, 73, 850-858.	2.0	52
13	Induction of Endogenous Interferon Tau Gene Transcription by CDX2 and High Acetylation in Bovine Nontrophoblast Cells1. Biology of Reproduction, 2009, 80, 1223-1231.	2.7	51
14	TLR2/4 signaling pathway mediates sperm-induced inflammation in bovine endometrial epithelial cells in vitro. PLoS ONE, 2019, 14, e0214516.	2.5	50
15	Effects of Progranulin on Blastocyst Hatching and Subsequent Adhesion and Outgrowth in the Mouse1. Biology of Reproduction, 2005, 73, 434-442.	2.7	46
16	Involvement of GATA transcription factors in the regulation of endogenous bovine interferonâ€Tau gene transcription. Molecular Reproduction and Development, 2009, 76, 1143-1152.	2.0	45
17	Effects of miR-98 in intrauterine extracellular vesicles on maternal immune regulation during the peri-implantation period in cattle. Scientific Reports, 2019, 9, 20330.	3.3	45
18	Downâ€regulation of transcription factor OVOL2 contributes to epithelialâ€“mesenchymal transition in a noninvasive type of trophoblast implantation to the maternal endometrium. FASEB Journal, 2018, 32, 3371-3384.	0.5	43

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19	Regulation of the ovine interferon-tau gene by a blastocyst-specific transcription factor, Cdx2. Molecular Reproduction and Development, 2006, 73, 559-567.	2.0	42
20	A proinflammatory response of bovine endometrial epithelial cells to active sperm in vitro. Molecular Reproduction and Development, 2018, 85, 215-226.	2.0	41
21	Expression and Potential Role of GATA Factors in Trophoblast Development. Journal of Reproduction and Development, 2013, 59, 1-6.	1.4	39
22	Temporal Expression of Type I Interferon Receptor in the Peri-Implantation Ovine Extra-Embryonic Membranes: Demonstration that Human IFN.ALPHA. Can Bind to This Receptor.. Endocrine Journal, 2002, 49, 195-205.	1.6	37
23	Pre-Implantation Conceptus and Maternal Uterine Communications: Molecular Events Leading to Successful Implantation. Journal of Reproduction and Development, 2004, 50, 155-169.	1.4	36
24	Function of a Transcription Factor CDX2 Beyond Its Trophectoderm Lineage Specification. Endocrinology, 2010, 151, 5873-5881.	2.8	36
25	Identification of Novel Endogenous Betaretroviruses Which Are Transcribed in the Bovine Placenta. Journal of Virology, 2011, 85, 1237-1245.	3.4	36
26	Involvement of VCAM1 in the bovine conceptus adhesion to the uterine endometrium. Reproduction, 2014, 148, 119-127.	2.6	36
27	Changes in Immune Cell Distribution and IL-10 Production are Regulated through Endometrial IP-10 Expression in the Goat Uterus. American Journal of Reproductive Immunology, 2005, 53, 54-64.	1.2	35
28	Regulation of Trophoblast-Specific Factors by GATA2 and GATA3 in Bovine Trophoblast CT-1 Cells. Journal of Reproduction and Development, 2011, 57, 518-525.	1.4	35
29	Potential roles of metalloproteinases of endometriumâ€derived exosomes in embryoâ€maternal crosstalk during implantation. Journal of Cellular Physiology, 2018, 233, 4530-4545.	4.1	35
30	Oviduct epithelium induces interferon-tau in bovine Day-4 embryos, which generates an anti-inflammatory response in immune cells. Scientific Reports, 2018, 8, 7850.	3.3	35
31	Coculture System That Mimics In Vivo Attachment Processes in Bovine Trophoblast Cells1. Biology of Reproduction, 2012, 87, 60.	2.7	34
32	Bovine embryo induces an anti-inflammatory response in uterine epithelial cells and immune cells <i>in vitro</i>: possible involvement of interferon tau as an intermediator. Journal of Reproduction and Development, 2017, 63, 425-434.	1.4	33
33	The Phylogeny of Placental Evolution Through Dynamic Integrations of Retrotransposons. Progress in Molecular Biology and Translational Science, 2017, 145, 89-109.	1.7	32
34	Continuous model of conceptus implantation to the maternal endometrium. Journal of Endocrinology, 2017, 233, R53-R65.	2.6	31
35	Dynamic Evolution of Endogenous Retrovirus-Derived Genes Expressed in Bovine Conceptuses during the Period of Placentation. Genome Biology and Evolution, 2013, 5, 296-306.	2.5	30
36	CD9 regulates transcription factor GCM1 and ERVWE1 expression through the cAMP/protein kinase A signaling pathway. Reproduction, 2009, 138, 945-951.	2.6	29

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37	Increasing Bovine leukemia virus (BLV) proviral load is a risk factor for progression of Enzootic bovine leucosis: A prospective study in Japan. Preventive Veterinary Medicine, 2020, 178, 104680.	1.9	29
38	Promoting Roles of Embryonic Signals in Embryo Implantation and Placentation in Cooperation with Endocrine and Immune Systems. International Journal of Molecular Sciences, 2020, 21, 1885.	4.1	29
39	Identification of a functional transcriptional factor AP-1 site in the sheep interferon Ï„ gene that mediates a response to PMA in JEG3 cells. Biochemical Journal, 1999, 340, 767-773.	3.7	28
40	Regulatory Action of Calcium Ion on Cyclic AMP-Enhanced Expression of Implantation-Related Factors in Human Endometrial Cells. PLoS ONE, 2015, 10, e0132017.	2.5	26
41	Regulation of human trophoblast cell syncytialization by transcription factors STAT5B and NR4A3. Journal of Cellular Biochemistry, 2018, 119, 4918-4927.	2.6	26
42	The Role of Endometrial Selectins and Their Ligands on Bovine Conceptus Attachment to the Uterine Epithelium During Peri-Implantation Period1. Biology of Reproduction, 2015, 93, 46.	2.7	25
43	Evidence that interferon-tau secreted from Day-7 embryo inÂvivo generates anti-inflammatory immune response in the bovine uterus. Biochemical and Biophysical Research Communications, 2018, 500, 879-884.	2.1	25
44	Transcriptional control of IFNT expression. Reproduction, 2017, 154, F21-F31.	2.6	25
45	Integration of molecules to construct the processes of conceptus implantation to the maternal endometrium. Journal of Animal Science, 2018, 96, 3009-3021.	0.5	24
46	Suppression of Tâ€Lymphocyte Blastogenesis by Ovine Trophoblast Proteinâ€1 and Human Interferonâ€Î± May Be Independent of Interleukinâ€2 Production. American Journal of Reproductive Immunology, 1989, 20, 21-26.	1.2	23
47	Regulation of Interferon-stimulated Gene (<italic>ISG</italic>)<italic>12</italic>, <italic>ISG15</italic>, and <italic>MX1</italic> and <italic>MX2</italic> by Conceptus Interferons (IFNTs) in Bovine Uterine Epithelial Cells. Asian-Australasian Journal of Animal Sciences, 2013, 26, 795-803.	2.4	23
48	Coactivator CBP in the regulation of conceptus IFN? gene transcription. Molecular Reproduction and Development, 2003, 65, 23-29.	2.0	22
49	Intrauterine administration of peripheral blood mononuclear cells enhances early development of the preâ€implantation bovine embryo. Molecular Reproduction and Development, 2010, 77, 954-962.	2.0	22
50	Regulation of epithelial to mesenchymal transition in bovine conceptuses through the interaction between follistatin and activin A. Molecular and Cellular Endocrinology, 2016, 434, 81-92.	3.2	22
51	Dual Positive Regulation of Embryo Implantation by Endocrine and Immune Systems â€“ Stepâ€byâ€Step Maternal Recognition of the Developing Embryo. American Journal of Reproductive Immunology, 2016, 75, 281-289.	1.2	22
52	Identification of a functional transcriptional factor AP-1 site in the sheep interferon Ï„ gene that mediates a response to PMA in JEG3 cells. Biochemical Journal, 1999, 340, 767.	3.7	21
53	Endometrial factors similarly induced by IFNT2 and IFNTc1 through transcription factor FOXS1. PLoS ONE, 2017, 12, e0171858.	2.5	21
54	The poly(A) tail length of casein mRNA in the lactating mammary gland changes depending upon the accumulation and removal of milk. Biochemical Journal, 2000, 347, 579-583.	3.7	20

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55	Downâ€regulation of interferon tau gene transcription with a transcription factor, EOMES. Molecular Reproduction and Development, 2013, 80, 371-383.	2.0	20
56	EPAC2-mediated calreticulin regulates LIF and COX2 expression in human endometrial glandular cells. Journal of Molecular Endocrinology, 2015, 54, 17-24.	2.5	20
57	A transcriptional cofactor YAP regulates IFNT expression via transcription factor TEAD in bovine conceptuses. Domestic Animal Endocrinology, 2016, 57, 21-30.	1.6	20
58	IFNT-independent effects of intrauterine extracellular vesicles (EVs) in cattle. Reproduction, 2020, 159, 503-511.	2.6	19
59	Co-Expression of Transforming Growth Factor .BETA. and Interferon .TAU. During Peri-Implantation Period in the Ewe.. Endocrine Journal, 1998, 45, 441-450.	1.6	17
60	Increase in DNA methylation downregulates conceptus interferon-tau gene expression. Molecular Reproduction and Development, 2004, 67, 396-405.	2.0	16
61	Emerging Role of Extracellular Vesicles in Embryoâ€“Maternal Communication throughout Implantation Processes. International Journal of Molecular Sciences, 2020, 21, 5523.	4.1	16
62	Roadmap to pregnancy in the first 7 days post-insemination in the cow: Immune crosstalk in the corpus luteum, oviduct, and uterus. Theriogenology, 2020, 150, 313-320.	2.1	16
63	The effect of bta-miR-26b in intrauterine extracellular vesicles on maternal immune system during the implantation period. Biochemical and Biophysical Research Communications, 2021, 573, 100-106.	2.1	15
64	Enhancer regions of ovine interferon-Ï„ gene that confer PMA response or cell type specific transcription. Molecular and Cellular Endocrinology, 2001, 173, 147-155.	3.2	14
65	Regulation of embryo outgrowth by a morphogenic factor, epimorphin, in the mouse. Molecular Reproduction and Development, 2005, 70, 455-463.	2.0	14
66	Functions of interferon tau as an immunological regulator for establishment of pregnancy. Reproductive Medicine and Biology, 2012, 11, 109-116.	2.4	14
67	Production of Calcium Maintenance Factor Stanniocalcin-1 (STC1) by the Equine Endometrium During the Early Pregnant Period. Journal of Reproduction and Development, 2011, 57, 203-211.	1.4	12
68	Transcriptional Regulation of Two Conceptus Interferon Tau Genes Expressed in Japanese Black Cattle during Peri-Implantation Period. PLoS ONE, 2013, 8, e80427.	2.5	12
69	CITED2 modulation of trophoblast cell differentiation: insights from global transcriptome analysis. Reproduction, 2016, 151, 509-516.	2.6	12
70	Thirty years of interferonâ€tau research; Past, present and future perspective. Animal Science Journal, 2017, 88, 927-936.	1.4	12
71	Estrous cycle stage-dependent manner of type I interferon-stimulated genes induction in the bovine endometrium. Journal of Reproduction and Development, 2017, 63, 211-220.	1.4	12
72	Factors Regulating Human Extravillous Trophoblast Invasion: Chemokine-peptidase and CD9-integrin Systems. Current Pharmaceutical Biotechnology, 2018, 19, 764-770.	1.6	12

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73	Epithelial-mesenchymal transition process during embryo implantation. Cell and Tissue Research, 2022, 388, 1-17.	2.9	12
74	Expression of GATA1 in the ovine conceptus and endometrium during the periâ€attachment period. Molecular Reproduction and Development, 2012, 79, 64-73.	2.0	11
75	Conceptus implantation and placentation: molecules related to epithelialâ€“mesenchymal transition, lymphocyte homing, endogenous retroviruses, and exosomes. Reproductive Medicine and Biology, 2016, 15, 1-11.	2.4	11
76	A target enrichment high throughput sequencing system for characterization of BLV whole genome sequence, integration sites, clonality and host SNP. Scientific Reports, 2021, 11, 4521.	3.3	11
77	Increase in complement iC3b is associated with anti-inflammatory cytokine expression during late pregnancy in mice. PLoS ONE, 2017, 12, e0178442.	2.5	10
78	Dayâ€7 embryos generate an antiâ€inflammatory immune response in peripheral blood immune cells in superovulated cows. American Journal of Reproductive Immunology, 2019, 81, e13069.	1.2	10
79	Sensing sperm via maternal immune system: a potential mechanism for controlling microenvironment for fertility in the cow. Journal of Animal Science, 2020, 98, S88-S95.	0.5	9
80	Effects of PMA and Transcription Factors on Ovine Interferon-.TAU. Transactivation in Various Cell Lines.. Endocrine Journal, 1999, 46, 383-388.	1.6	8
81	Expression of Endometrial Immune-related Genes Possibly Functioning During Early Pregnancy in the Mare. Journal of Reproduction and Development, 2013, 59, 85-91.	1.4	8
82	Novel endogenous retrovirus-derived transcript expressed in the bovine placenta is regulated by WNT signaling. Biochemical Journal, 2017, 474, 3499-3512.	3.7	8
83	Novel crosstalk between Vps26a and Nox4 signaling during neurogenesis. Cell Death and Differentiation, 2019, 26, 1582-1599.	11.2	8
84	Use of DNA Array to Screen Blastocyst Genes Potentially Involved in the Process of Murine Implantation. Journal of Reproduction and Development, 2003, 49, 473-484.	1.4	8
85	Retroviral Endogenization and Its Role in the Genital Tract during Mammalian Evolution. Journal of Mammalian Ova Research, 2011, 28, 203-218.	0.1	7
86	Establishment and characterization of immortalized bovine endometrial epithelial cells. Animal Science Journal, 2014, 85, 799-804.	1.4	7
87	Day 7 Embryos Change the Proteomics and Exosomal Micro-RNAs Content of Bovine Uterine Fluid: Involvement of Innate Immune Functions. Frontiers in Genetics, 2021, 12, 676791.	2.3	7
88	Presence of Transcription Factor OCT4 Limits Interferon-tau Expression during the Pre-attachment Period in Sheep. Asian-Australasian Journal of Animal Sciences, 2013, 26, 638-645.	2.4	7
89	Epithelial-mesenchymal transition and bi- and multi-nucleated trophoblast cell formation in ovine conceptuses during the peri-implantation period. Journal of Reproduction and Development, 2022, 68, 110-117.	1.4	7
90	New Roles for EVs, miRNA and lncRNA in Bovine Embryo Implantation. Frontiers in Veterinary Science, 0, 9, .	2.2	7

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91	Analysis of Possible Silencer Elements of Ovine Interferon-.TAU. Gene.. Endocrine Journal, 2000, 47, 137-142.	1.6	6
92	Expression of uterine lipocalin 2 and its receptor during early- to mid-pregnancy period in mares. Journal of Reproduction and Development, 2017, 63, 127-133.	1.4	6
93	Neutrophils recognize and amplify IFNT signals derived from day 7 bovine embryo for stimulation of ISGs expression inÂvitro: A possible implication for the early maternal recognition of pregnancy. Biochemical and Biophysical Research Communications, 2021, 553, 37-43.	2.1	6
94	Different levels of ovine interferon-Ï„ gene expressions are regulated through the short promoter region including Ets-2 binding site. Molecular Reproduction and Development, 2005, 72, 7-15.	2.0	5
95	Regulation of conceptus interferon-tau gene subtypes expressed in the uterus during the peri-implantation period of cattle. Animal Reproduction Science, 2018, 190, 39-46.	1.5	5
96	Binding of transcription factor activating protein 2 Î³ on the 5â€²â€proximal promoter region of human porcine endogenous retrovirus subgroup A receptor 2/GPR172B. Xenotransplantation, 2012, 19, 177-185.	2.8	4
97	Exchange protein directly activated by cAMP (EPAC) promotes transcriptional activation of the decidual prolactin gene via CCAAT/enhancer-binding protein in human endometrial stromal cells. Reproduction, Fertility and Development, 2018, 30, 1454.	0.4	4
98	Formation of fibrin at sites of conceptus adhesion in the ewe. Reproduction, 2021, 161, 709-720.	2.6	4
99	Identification of Interferon-Tau at the Maternal-Fetal Interface in Shiba Goats.. Journal of Reproduction and Development, 1999, 45, 249-257.	1.4	4
100	Regulation of Interferon-.TAU. Gene Expression and the Maternal Recognition of Pregnancy.. Journal of Reproduction and Development, 2001, 47, 69-82.	1.4	4
101	Characterization of Serum Metabolome and Proteome Profiles Identifies SNX5 Specific for Pregnancy Failure in Holstein Heifers. Life, 2022, 12, 309.	2.4	4
102	Expression and in situ localization of <scp>GATA4</scp>, 5 and 6â€…<scp>mRNAs</scp> in ovine conceptuses and uterine endometria during the periâ€implantation period. Animal Science Journal, 2014, 85, 388-394.	1.4	3
103	Peptidoglycan disrupts early embryo-maternal crosstalk via suppression of ISGs expression induced by interferon-tau in the bovine endometrium. Biochemical and Biophysical Research Communications, 2020, 532, 101-107.	2.1	3
104	RNA-Seq Analysis of Equine Conceptus Transcripts during Embryo Fixation and Capsule Disappearance. PLoS ONE, 2014, 9, e114414.	2.5	3
105	Long Term Selection for Small Body Weight in Japanese Quail. I: Direct Selection Response from 60 to 65th Generations.. Journal of Poultry Science, 2002, 39, 274-284.	1.6	3
106	Genetic variation in Japanese Holstein cattle for EBL development. BMC Veterinary Research, 2020, 16, 407.	1.9	3
107	Molecular Mechanisms Associated with Conceptus-Endometrium Interactions During the Peri-Implantation Period in Ruminants. Journal of Mammalian Ova Research, 2009, 26, 98-110.	0.1	2
108	Expression and Potential Role of GATA6 in Ruminant Trophoblasts during Peri-Implantation Periods. Journal of Mammalian Ova Research, 2012, 29, 135-141.	0.1	2

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109	Characterization of lncRNA functioning in ovine conceptuses and endometria during the peri-implantation period. Biochemical and Biophysical Research Communications, 2022, 594, 22-30.	2.1	2
110	Changes in Gene Expression Associated with Conceptus Implantation to the Maternal Endometrium. Journal of Mammalian Ova Research, 2013, 30, 2-10.	0.1	1
111	The localization of <scp>GATA2</scp> in the nuclear and cytoplasmic regions of ovine conceptuses. Animal Science Journal, 2014, 85, 981-985.	1.4	1
112	Characterizations of the Bovine Subtype Interferon-tau Genes: Sequences of Genes and Biological Activity of Transcription Factors in JEG3 Cell. Journal of Animal Reproduciton and Biotechnology, 2016, 31, 335-347.	0.6	1
113	Phylogenomics and Spatiotemporal Dynamics of Bovine Leukemia Virus Focusing on Asian Native Cattle: Insights Into the Early Origin and Global Dissemination. Frontiers in Microbiology, 0, 13, .	3.5	1
114	Effects of Weaning and Suckling on Î³-Casein and Prolactin Receptor mRNA Levels in the Mouse Mammary Gland during Lactation. Nihon Chikusan Gakkaiho, 1998, 69, 728-733.	0.2	0
115	Induction of Short Ovulatory Cycle in Shiba-Goats by Repeated Treatments with Prostaglandin F2.ALPHA... Journal of Reproduction and Development, 2001, 47, 97-103.	1.4	0
116	Identification and characterization of full-length vps29 gene in five mammalian species. Genes and Genomics, 2011, 33, 505-512.	1.4	0
117	Successful pregnancy and live birth from a hypogonadotropic hypogonadism woman with low serum estradiol concentrations despite numerous oocyte maturations: a case report. BMC Pregnancy and Childbirth, 2017, 17, 312.	2.4	0
118	Differentiation of Pregnant Shiba Goats Using Plasma Amino Acid Concentrations and Mathematical Analysis.. Journal of Reproduction and Development, 2002, 48, 523-529.	1.4	0
119	Intrauterine infusion of low levels of interferonâ€τau on dayâ€8 postâ€estrus stimulates the bovine endometrium to secrete apolipoproteinâ€A1: A possible implication for early embryo tolerance. American Journal of Reproductive Immunology, 0, , .	1.2	0